

IN THE CLAIMS

Please amend Claims 1, 10, 12, 14 and 16 as follows. Please cancel Claims 11 and 15.

1. (AMENDED) A vehicle control system for controlling a performance characteristic of the vehicle; comprising:

A1 a controller coupled to the vehicle control system, the controller adapted to receive a vehicle position signal, the controller employing the position signal to determine at least one characteristic pertinent to the operation of the vehicle control system and outputting a control signal, and further adapted to receive a weather signal;

wherein said weather signal affects said determination of said characteristic; and

wherein the vehicle control system receives the control signal and tailors its performance in response thereto.

A2 10. (AMENDED) The vehicle control system of Claim 1, wherein said vehicle position signal is received from one or more global positioning satellites.

A3 12. (AMENDED) A vehicle control system for controlling a vehicle comprising:

an anti-lock brake system for controlling a brake force exerted by a brake caliper to limit vehicle skidding in a predetermined manner;

a traction control system for controlling acceleration of the vehicle to limit wheel slip in a predetermined manner;

a stability system for controlling a yaw rate of the vehicle in a predetermined manner; and

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Cancel.
a controller coupled to the anti-lock brake system, the traction control system and the stability system, the controller adapted to receive a vehicle position signal and a weather signal, and to produce a control signal in response thereto, the control signal including a road surface type;

wherein the anti-lock brake system, the traction control system and the stability system receive the control signal and tailor their performance in response thereto.

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14. (AMENDED) The vehicle control system of Claim 12, wherein said vehicle position signal is received from one or more global positioning satellites.

16. (AMENDED) A method for controlling a vehicle having a vehicle control system, the method comprising the steps of:

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providing a controller for receiving a vehicle position signal and a weather signal;

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determining at least one characteristic pertinent to the operation of the vehicle control system from the position signal;

generating a control signal based the at least one characteristic pertinent to the operation of the vehicle control system; and

enhancing the performance of the vehicle control system based on the control signal.